

[Composite Outsole]

Abstract

The present invention provides a composite outsole consisting of carbon fiber and titanium. In particular, the outsole comprises a carbon fiber portion and a titanium portion. The titanium portion is molded to the carbon fiber portion using adhesives and the like. The titanium portion provides increased strength and ductility to allow for additional features in the outsole, such as, for example, air flow vents that increase air circulation for breathability and moisture management as well as reduce drag.